

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050421

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L27/00 H04B1/69

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	O'DONNELL I ET AL: "An integrated, low power, ultra-wideband transceiver architecture for low-rate, indoor wireless systems" WCNC. IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, XX, XX, 4 September 2002 (2002-09-04), pages 1-8, XP002269840 cited in the application 2. PROPOSED ARCHITECTURE	1,7
A	EP 1 298 811 A (ST MICROELECTRONICS SA ; ST MICROELECTRONICS NV (NL)) 2 April 2003 (2003-04-02) paragraphs '0001!, '0006!, '0038! - '0042!, '0045!, '0051!, '0052!, '0056! ----- -/--	1,7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 July 2004

Date of mailing of the international search report

26/07/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bossen, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050421

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 01/93444 A (XTREMESPECTRUM INC) 6 December 2001 (2001-12-06) cited in the application page 19, line 20 - page 20, line 16; figure 3</p> <p>-----</p>	1,7

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050421

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1298811 A	02-04-2003	EP 1298811 A1	02-04-2003
		JP 2003179577 A	27-06-2003
		US 2003086511 A1	08-05-2003
WO 0193444 A	06-12-2001	AU 5882200 A	11-12-2001
		AU 6127701 A	11-12-2001
		AU 6127801 A	11-12-2001
		AU 6300701 A	11-12-2001
		AU 6300801 A	11-12-2001
		AU 6457301 A	11-12-2001
		AU 6457401 A	11-12-2001
		AU 6457501 A	11-12-2001
		AU 7481901 A	11-12-2001
		AU 7482001 A	11-12-2001
		EP 1295405 A1	26-03-2003
		EP 1302001 A2	16-04-2003
		EP 1284049 A1	19-02-2003
		JP 2003535552 T	25-11-2003
		JP 2003535557 T	25-11-2003
		WO 0193441 A1	06-12-2001
		WO 0193442 A1	06-12-2001
		WO 0193434 A2	06-12-2001
		WO 0193519 A1	06-12-2001
		WO 0193482 A2	06-12-2001
		WO 0193443 A2	06-12-2001
		WO 0193444 A1	06-12-2001
		WO 0193445 A2	06-12-2001
		WO 0193520 A2	06-12-2001
		WO 0193446 A2	06-12-2001
		US 2003096578 A1	22-05-2003
		US 2003161411 A1	28-08-2003
		US 6735238 B1	11-05-2004
		US 6505032 B1	07-01-2003
		AU 9698201 A	22-04-2002
		WO 0231998 A2	18-04-2002